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OM protein - protein search, using sw model

Run on: August 22, 2004, 09:28:50 ; Search time 32 Seconds
 735.670 Million cell updates/sec

Title: US-09-905-589A-2
 Perfect score: 2364
 Sequence: 1 MRKLSNHSILRVALVAKVAYPLG.....ALGAIFHYIDSILNRQKSPPS 456
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:
 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep: *
 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep: *
 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep: *
 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep: *
 5: /cgn2_6/ptodata/2/iaa/PCTMS_COMB.pep: *
 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2364	100.0	456	4	US-09-240-639-2 /CD39-LIKE Sequence 1, Appl
2	2364	100.0	484	4	US-09-608-282A-27 - Methyl 3'-Sequence 2, Appl
3	2364	100.0	484	4	US-09-370-263-27 - CD39-LIKE Sequence 2, Appl
4	2364	100.0	484	4	US-09-557-800C-27 - CD39-LIKE Sequence 2, Appl
5	2003	84.7	471	4	US-09-608-282A-50 - Blurred Sequence 27, Appl
6	2003	84.7	471	4	US-09-608-282A-50 - Blurred Sequence 60, Appl
7	999	42.3	428	4	US-09-608-282A-3 - Blurred Sequence 3, Appl
8	999	42.3	428	4	US-09-608-282A-5 - Blurred Sequence 5, Appl
9	999	42.3	428	4	US-09-240-639-5 - Blurred Sequence 6, Appl
10	999	42.3	428	4	US-09-240-639-9 - Blurred Sequence 9, Appl
11	999	42.3	428	4	US-09-330-830B-3 - Blurred Sequence 11, Appl
12	999	42.3	428	4	US-09-350-830B-5 - Blurred Sequence 12, Appl
13	999	42.3	428	4	US-09-370-263-3 - Blurred Sequence 13, Appl
14	999	42.3	428	4	US-09-370-263-5 - Blurred Sequence 14, Appl
15	999	42.3	428	4	US-09-537-800C-3 - Blurred Sequence 15, Appl
16	999	42.3	428	4	US-09-557-800C-5 - Blurred Sequence 16, Appl
17	999	42.3	428	4	US-09-370-620A-3 - Blurred Sequence 17, Appl
18	999	42.3	428	4	US-09-370-620A-5 - Blurred Sequence 18, Appl
19	999	42.3	428	4	US-09-608-282A-7 - Blurred Sequence 19, Appl
20	996	42.1	428	4	US-09-350-830B-7 - Blurred Sequence 20, Appl
21	996	42.1	428	4	US-09-370-263-7 - Blurred Sequence 21, Appl
22	996	42.1	428	4	US-09-557-800C-7 - Blurred Sequence 22, Appl
23	996	42.1	428	4	US-09-370-620A-7 - Blurred Sequence 23, Appl
24	909	38.5	405	4	US-09-370-263-25 - Blurred Sequence 24, Appl
25	909	38.5	405	4	US-09-557-800C-25 - Blurred Sequence 25, Appl
26	909	38.5	405	4	US-09-370-620A-25 - Blurred Sequence 26, Appl
27	909	38.5	405	4	US-09-370-620A-25 - Blurred Sequence 27, Appl

ALIGNMENTS

RESULT 1
 US-09-240-639-2
 ; Sequence 2, Application US/09240639
 ; Patent No. 6350447
 ; GENERAL INFORMATION:
 ; APPLICANT: Chadwick, Brian Paul
 ; APPLICANT: Frischauft, Anna-Maria
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE
 ; TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS
 ; FILE REFERENCE: 9598-066
 ; CURRENT APPLICATION NUMBER: US/09/240-639
 ; CURRENT FILING DATE: 1998-01-29
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO: 2
 ; LENGTH: 456
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-240-639-2

Query Match 100.0%; Score 2364; DB 4; Length 456;
 Best Local Similarity 100.0%; Pred. No. 5, 8e-240; Gaps 0;
 Matches 456; Conservative 0; Mismatches 0; Indels 0;

QY 1 MRKLSNHSILRVALVAKVAYPLGICVYFIVYAYIKHFRATQAFFSITRAKGARWQOAH 60
 Db 1 MRKLSNHSILRVALVAKVAYPLGICVYFIVYAYIKHFRATQAFFSITRAKGARWQOAH 60

QY 61 SPLGTAADGHEVFVIMPFAGSTGRVHFQFRPFPREPTIHFETEKVKPGISAYDD 120
 Db 61 SPLGTAADGHEVFVIMPFAGSTGRVHFQFRPFPREPTIHFETEKVKPGISAYDD 120

QY 121 VEKSAQIRELLDVAQDQPDPFWKATPFLVKAQKLRPGEKAOKLQKVKEVKASP 180
 Db 121 VEKSAQIRELLDVAQDQPDPFWKATPFLVKAQKLRPGEKAOKLQKVKEVKASP 180

QY 181 FLVGDDCVSINNGTDEGVASWITNFCLGSLSKPGGSSVGMIDGGSTQIAFLPRVEGT 240
 Db 181 FLVGDDCVSINNGTDEGVASWITNFCLGSLSKPGGSSVGMIDGGSTQIAFLPRVEGT 240

QY 241 LQASPPGGLTALMRNFTYKLYSYSLGIGMSLARLAIIGGVSQPAKDGEKELVSPCLSP 300
 Db 241 LQASPPGGLTALMRNFTYKLYSYSLGIGMSLARLAIIGGVSQPAKDGEKELVSPCLSP 300

QY 301 SPKGWEEHAEVTYRSQGKAAASHELCARVSETVNQHVRTEEVKNDFYAFSYVDL 360
 Db 301 SPKGWEEHAEVTYRSQGKAAASHELCARVSETVNQHVRTEEVKNDFYAFSYVDL 360

RESULT 2
US-03-608-285A-27
; Sequence 27, Application US/0908285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Muñoz, Julio
; APPLICANT: Young, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; TITLE OF INVENTION: POLYPEPTIDES
; FILE REFERENCE: 2811/36570
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: US/09/608, 285A
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/557, 800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481, 228
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/583, 231
; PRIOR FILING DATE: 1999-05-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 09/350, 836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273, 447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244, 444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122, 449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118, 205
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 27
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-03-608-285A-27

Query Match 100.0%; Score 2364; DB 4; Length 484;
Best Local Similarity 100.0%; Pred. No. 6.4e-240;
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHGSIRVAKAVAPLGLCUGVGVFIVAYKWHRATAOFSTRAAGARWQOAH 60
Db 89 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 148
Db 29 MRKISNHGSIRVAKAVAPLGLCUGVGVFIVAYKWHRATAOFSTRAAGARWQOAH 88

QY 61 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 120
Db 149 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 148
Db 121 VEGAQIRELLDAVAKQDIPDFWKATPLVKATAGRLPGEKAQKLQLQKVKEFKASP 180
Db 149 VEGAQIRELLDAVAKQDIPDFWKATPLVKATAGRLPGEKAQKLQLQKVKEFKASP 208
Db 181 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 240
Db 209 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 268
Db 209 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 300
Db 269 LQASPPGVLTAIRMFNRITYKYKSYSYIGLGMSARIALLGVEGQPAKGELVSPCLSP 328
Db 301 SFGGEWEAEVTRVSGOKAAASHLCAARVEULQNRVHTRTEBVKHDFYAFSYYDL 360
Db 329 SFGEWEAEVTRVSGOKAAASHLCAARVEULQNRVHTRTEBVKHDFYAFSYYDL 388
Db 361 AAVGLIDAEGKSLVVGDFEIAKVCRTLETOPSSPFSCMDLTIVSLLQERGPFRS 420
Db 421 KVKLTKRKIDNVTWSALGAIFHYIDSLNROKSPAS 456
Db 389 AAVGLIDAEGKSLVVGDFEIAKVCRTLETOPSSPFSCMDLTIVSLLQERGPFRS 448
QY 421 KVKLTKRKIDNVTWSALGAIFHYIDSLNROKSPAS 456
Db 449 KVKLTKRKIDNVTWSALGAIFHYIDSLNROKSPAS 484

RESULT 3
US-09-310-265-27
; Sequence 27, Application US/09370265
; Patent No. 6447771
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Muñoz, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
; TITLE OF INVENTION: POLYPEPTIDES
; FILE REFERENCE: 2811/35908
; CURRENT FILING DATE: US/09/370, 265
; EARLIER FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: PCT/US99/16180
; EARLIER FILING DATE: 1999-07-16
; EARLIER APPLICATION NUMBER: 09/350, 836
; EARLIER FILING DATE: 1999-07-09
; EARLIER APPLICATION NUMBER: 09/273, 447
; EARLIER FILING DATE: 1999-03-19
; EARLIER APPLICATION NUMBER: 09/244, 444
; EARLIER FILING DATE: 1999-02-04
; EARLIER APPLICATION NUMBER: 09/122, 449
; EARLIER FILING DATE: 1998-07-24
; EARLIER APPLICATION NUMBER: 09/118, 205
; EARLIER FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 27
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-310-265-27

Query Match 100.0%; Score 2364; DB 4; Length 484;
Best Local Similarity 100.0%; Pred. No. 6.4e-240;
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHGSIRVAKAVAPLGLCUGVGVFIVAYKWHRATAOFSTRAAGARWQOAH 60
Db 29 MRKISNHGSIRVAKAVAPLGLCUGVGVFIVAYKWHRATAOFSTRAAGARWQOAH 88

QY 61 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 120
Db 149 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 208
Db 89 SPLGTAADGHFVFGIMFDAGSTGRHVFQFTPRPREPTLTHTPKAVKPGLSYADD 148
Db 121 VEGAQIRELLDAVAKQDIPDFWKATPLVKATAGRLPGEKAQKLQLQKVKEFKASP 180
Db 149 VEGAQIRELLDAVAKQDIPDFWKATPLVKATAGRLPGEKAQKLQLQKVKEFKASP 208
Db 181 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 240
Db 209 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 268
Db 209 FLVGDCCUSIMAGTDEGSWATINFLTLSKTPGSSVQMLDGGSTQIAFLPVEGT 300
Db 229 LQASPPGVLTAIRMFNRITYKYKSYSYIGLGMSARIALLGVEGQPAKGELVSPCLSP 328
Db 301 SFGGEWEAEVTRVSGOKAAASHLCAARVEULQNRVHTRTEBVKHDFYAFSYYDL 360
Db 329 SFGGEWEAEVTRVSGOKAAASHLCAARVEULQNRVHTRTEBVKHDFYAFSYYDL 388
Db 361 AAVGLIDAEGKSLVVGDFEIAKVCRTLETOPSSPFSCMDLTIVSLLQERGPFRS 420

RESULT 4
 US-09-557-800C-27
 ; Sequence 27, Application US/09557800C
 ; Patent No. 6,47211
 ; GENERAL INFORMATION:
 APPLICANT: Ford, John
 APPLICANT: Muleo, Julio
 APPLICANT: Young, George
 TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
 FILE REFERENCE: 28110/3457
 CURRENT APPLICATION NUMBER: US/09/557,800C
 CURRENT FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/481,238
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: 09/370,265
 PRIOR FILING DATE: 1999-08-09
 PRIOR APPLICATION NUMBER: PCT/US99/16180
 PRIOR FILING DATE: 1999-07-16
 PRIOR APPLICATION NUMBER: 09/350835
 PRIOR FILING DATE: 1999-07-09
 PRIOR APPLICATION NUMBER: 09/273447
 PRIOR FILING DATE: 1999-03-19
 PRIOR APPLICATION NUMBER: 09/122449
 PRIOR FILING DATE: 1998-07-24
 PRIOR APPLICATION NUMBER: 09/244444
 PRIOR FILING DATE: 199-02-04
 PRIOR APPLICATION NUMBER: 09/118,205
 NUMBER OF SEQ ID NOS: 56
 SOFTWARE: Patentin Ver.: 2.0
 SEQ ID NO: 27
 LENGTH: 484
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-557-800C-27

Query Match 100.0%; Score 2364; DB 4; Length 484;
 Best Local Similarity 100.0%; Pred. No. 6.4e-240; Mismatches 456; Conservatve 0; Indels 0; Gaps 0;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRKISNHGSLRVAKVAYPLGLCVGCVFIVYAVIKHRATAQAFSITRAARGARWQOAH 60
 Db 29 MRKISNHGSLRVAKVAYPLGLCVGCVFIVYAVIKHRATAQAFSITRAARGARWQOAH 88
 Qy 61 SPLGTADGHVFYGMFDAGSTGTRVHWFQTRPREPPTHTFKAVKGPSAYADD 120
 Db 89 SPLGTADGHVFYGMFDAGSTGTRVHWFQTRPREPPTHTFKAVKGPSAYADD 148
 Db 121 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 180
 Db 149 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 208
 Qy 181 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 240
 Db 209 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 268
 Qy 241 LOASPPGYLTALMRNTRTYKLYSYLGLGIMSLRALLGGVEOPAKKELVSPCLSP 300
 Db 269 LOASPPGYLTALMRNTRTYKLYSYLGLGIMSLRALLGGVEOPAKKELVSPCLSP 328
 Qy 121 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 180
 Db 149 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 208
 Qy 181 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 240
 Db 209 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 268
 Qy 301 SPKGEWEHAEVTYVRSGOKAASHELCAARVEVLQNRVHRTEEVKEDFYAFSYYL 360
 Db 329 SPKGEWEHAEVTYVRSGOKAASHELCAARVEVLQNRVHRTEEVKEDFYAFSYYL 388
 Qy 361 AAGVGLDAEKGSLSLVGDFEIAKXVCRLETOFQSSPSCMDITYVSLIQLQFGFPMS 420
 Db 389 AAGVGLDAEKGSLSLVGDFEIAKXVCRLETOFQSSPSCMDITYVSLIQLQFGFPMS 448
 Qy 421 KVLKLTTRKIDNVETSWALGAIFHYIDSLNROKSPAS 456
 Db 449 KVLKLTTRKIDNVETSWALGAIFHYIDSLNROKSPAS 484

RESULT 5
 US-09-370-625A-27
 ; Sequence 27, Application US/09370625A
 ; Patent No. 6000032
 ; GENERAL INFORMATION:
 APPLICANT: Ford, John
 APPLICANT: Muleo, Julio
 TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES
 FILE REFERENCE: 28110/35908
 CURRENT APPLICATION NUMBER: US/09/370,625A
 CURRENT FILING DATE: 1999-08-09
 PRIOR APPLICATION NUMBER: PCT/US99/16180
 PRIOR FILING DATE: 1999-07-16
 PRIOR APPLICATION NUMBER: 09/350,836
 PRIOR FILING DATE: 1999-07-09
 PRIOR APPLICATION NUMBER: 09/273,447
 PRIOR FILING DATE: 1999-03-19
 NUMBER OF SEQ ID NOS: 39
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO: 27
 LENGTH: 484
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-370-625A-27

Query Match 100.0%; Score 2364; DB 4; Length 484;
 Best Local Similarity 100.0%; Pred. No. 6.4e-240; Mismatches 456; Conservatve 0; Indels 0; Gaps 0;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRKISNHGSLRVAKVAYPLGLCVGCVFIVYAVIKHRATAQAFSITRAARGARWQOAH 60
 Db 29 MRKISNHGSLRVAKVAYPLGLCVGCVFIVYAVIKHRATAQAFSITRAARGARWQOAH 88
 Qy 61 SPLGTADGHVFYGMFDAGSTGTRVHWFQTRPREPPTHTFKAVKGPSAYADD 120
 Db 89 SPLGTADGHVFYGMFDAGSTGTRVHWFQTRPREPPTHTFKAVKGPSAYADD 148
 Db 121 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 180
 Db 149 VEKSAQIRELDVAKODIPDFEWKATPLVKATAGRLPGERAKQKLQKVKEVFKASP 208
 Qy 181 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 240
 Db 209 FLVGDDCVSINGTGRGVSWITNFTLSKLTGGSSGMLDGGSTQIAFLPRVEGT 268
 Qy 241 LOASPPGYLTALMRNTRTYKLYSYLGLGIMSLRALLGGVEOPAKKELVSPCLSP 300
 Db 269 LOASPPGYLTALMRNTRTYKLYSYLGLGIMSLRALLGGVEOPAKKELVSPCLSP 328
 Qy 301 SPKGEWEHAEVTYVRSGOKAASHELCAARVEVLQNRVHRTEEVKEDFYAFSYYL 360
 Db 329 SPKGEWEHAEVTYVRSGOKAASHELCAARVEVLQNRVHRTEEVKEDFYAFSYYL 388
 Qy 361 AAGVGLDAEKGSLSLVGDFEIAKXVCRLETOFQSSPSCMDITYVSLIQLQFGFPMS 420
 Db 389 AAGVGLDAEKGSLSLVGDFEIAKXVCRLETOFQSSPSCMDITYVSLIQLQFGFPMS 448
 Qy 421 KVLKLTTRKIDNVETSWALGAIFHYIDSLNROKSPAS 456
 Db 449 KVLKLTTRKIDNVETSWALGAIFHYIDSLNROKSPAS 484

RESULT 6
 US-09-608-285A-60

```

; Sequence 60, Application US/09608285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; FILE REFERENCE: 28110/6570
; CURRENT APPLICATION NUMBER: US/09/608, 285A
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 09/583, 231
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/557, 800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481, 238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370, 265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350, 836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273, 447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244, 444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122, 449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118, 205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO: 60
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-608-285A-60

Query Match          84.7%; Score 2003; DB 4; Length 471;
Best Local Similarity 98.5%; Pred. No. 6, 38-202; Matches 388; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
Query Match          42.3%; Score 99; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2, 8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
Query Match          42.3%; Score 99; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2, 8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
Db      1 MRKISNHGSIRVAKVAYPLGLCVQFIVWAIKWRATAQAFSTTRAPGARGWQAH 60
Db      29 MRKISNHGSIRVAKVAYPLGLCVQFIVWAIKWRATAQAFSTTRAPGARGWQAH 88
Db      61 SPGLTAGDGEVFGIMFDAGSTGTRAVFQTRPRPPTLTHETRAVKAVRGLSAYADD 120
Db      89 SPGLTAGDGEVFGIMFDAGSTGTRAVFQTRPRPPTLTHETRAVKAVRGLSAYADD 148
Db      121 VEKSQGQTIBLLDAKQDPFDENKATPLVKATAGRLPRAKAQKLQKYKEVFRASP 180
Db      149 VEKSQGQTIBLLDAKQDPFDENKATPLVKATAGRLPRAKAQKLQKYKEVFRASP 208
Db      181 FLVGDCCVSIMNGDDEGVAWITNPLGSKLPGGSSVGMDLGGSTQAFPLRGTE 240
Db      209 FLVGDCCVSIMNGDDEGVAWITNPLGSKLPGGSSVGMDLGGSTQAFPLRGTE 268
Db      241 LQASPPGYLTALRNFRTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 300
Db      269 LQASPPGYLTALRNFRTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 328
Db      301 SFKGWEHAEVTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 360
Db      329 SFKGWEHAEVTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 388
Db      361 AAGVGLIDAKKGSLVGFPEIAKYVTLTETO 394
Db      389 AAGVGLIDAKKGSLVGFPEIAKYVSHLRE 422

; Sequence 3, Application US/09608285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; FILE REFERENCE: 28110/3570
; CURRENT APPLICATION NUMBER: US/09/608, 285A
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 09/583, 231
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/557, 800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481, 238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370, 265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350, 836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273, 447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244, 444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122, 449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118, 205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO: 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-608-285A-3

Query Match          42.3%; Score 99; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2, 8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
Db      40 PNLNSA--STLVGIMFDAGSTGTRVHFTQFT-RPRTPTLTHETRAVKAVRGLSAYADD 120
Db      62 PNLNSA--STLVGIMFDAGSTGTRVHFTQFT-RPRTPTLTHETRAVKAVRGLSAYADD 96
Db      97 PKQGKETVQQLIEVAKDS-PRSHKKTPVLKATAGRLPRAKAQKLQKYKEVFRASP 156
Db      121 VEKSQGQTIBLLDAKQDPFDENKATPLVKATAGRLPRAKAQKLQKYKEVFRASP 180
Db      157 FLVPKGSSVSMGSDEGTLAWTNTFLIQHLGHROETVGLDGGASTQIIFLPQERT 216
Db      181 FLVGDCCVSIMNGDDEGVAWITNPLGSKLPGGSSVGMDLGGSTQAFPLRGTE 240
Db      241 LQASPPGYLTALRNFRTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 300
Db      247 LEQTRGYLTSEFMNSTKLYTHSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 275
Db      301 SFKGWEHAEVTYKLYSYSYLIGMSARLAIGLGYEGQPAKDGEKLSPCLSP 360
Db      326 WLEABWIFGGVKGYQGGNGQBGEBVFPCYAEVRVRSKLUQBEVORGSPFASYYDR 335
Db      361 AAGVGLIDAKKGSLVGFPEIAKYVTLTETO 419
Db      336 AVDTMIDYEKGGLKVEPERKAREVCDNTLENFTSGSPFLCMDLSYTALLKDGFPAD 395
Db      420 SKVLUKTIRKDNVTSWALGAIFIYVDSL 448
Db      396 STVQLQTKNNIEFGMAGATFHILQSU 424

```

RESULT 8

US-09-608-285A-5

Sequence 5, Application US/09608285A

Patent No. 6335013

GENERAL INFORMATION:

APPLICANT: Ford, John

APPLICANT: Mulero, Julio

APPLICANT: Young, George

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES

FILE REFERENCE: 2811035670

CURRENT APPLICATION NUMBER: US/09/608, 285A

CURRENT FILING DATE: 2000-06-30

PRIORITY APPLICATION NUMBER: 09/583, 231

PRIORITY FILING DATE: 2000-05-26

PRIORITY APPLICATION NUMBER: 09/557, 800

PRIORITY FILING DATE: 2000-04-25

PRIORITY APPLICATION NUMBER: 09/481, 238

PRIORITY FILING DATE: 2000-01-11

PRIORITY APPLICATION NUMBER: 09/370, 265

PRIORITY FILING DATE: 1999-08-09

PRIORITY APPLICATION NUMBER: PCT/US99/16180

PRIORITY FILING DATE: 1999-07-16

PRIORITY APPLICATION NUMBER: 09/350, 836

PRIORITY FILING DATE: 1999-07-09

PRIORITY APPLICATION NUMBER: 09/273, 447

PRIORITY FILING DATE: 1999-03-19

PRIORITY APPLICATION NUMBER: 09/244, 444

PRIORITY FILING DATE: 1999-02-04

PRIORITY APPLICATION NUMBER: 09/122, 449

PRIORITY FILING DATE: 1998-07-24

PRIORITY APPLICATION NUMBER: 09/118, 205

PRIORITY FILING DATE: 1998-07-16

NUMBER OF SEQ ID NOS: 60

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

US-09-608-285A-5

RESULT 9

US-09-240-639-6

Sequence 6, Application US/09240639

Patent No. 6350447

GENERAL INFORMATION:

APPLICANT: Chadwick, Brian Paul

APPLICANT: Frischauft, Anna-Maria

APPLICANT: Frischauft, Anna-Maria

TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS

FILE REFERENCE: 9598-066

CURRENT APPLICATION NUMBER: US/09/240, 639

CURRENT FILING DATE: 1998-01-29

NUMBER OF SEQ ID NOS: 29

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

US-09-240-639-6

Query Match 42.3%; Score 999; DB 4; Length 428;

Best Local Similarity 52.4%; Pred. No. 2.8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy 62 PLGTAADGHENVFGIMFFAGSTGRVHVFQFT-RPPREPTLTHETKAVKVKPGLSAYADD 120

Db 40 PINVSA--STLYGIMFDAGSTGTRIHYTFVQKMPGDPILECBVFEDSVKPGLSAFVQD 96

Qy 121 VEKSAGRILLEVDVAKQDPDFWKATPVJUKATAGRLIPGEAQKULQKVKEVFKASS` 180

Db 97 PKQGARTBVQLEVAKSTDPRSHMKTPVVKATAGRLIPHEPKAKLFEKEVFRASSP 156

Qy 181 FLVGDDCVSMNGTDGEGASWITINFLTSLSKLTGPSSVGMLDIGGGSTQIAFLPVEGST 240

Db 157 FLVPKGSSVIMDGSDDEGLAWTVNFLTQHGRQETVGLDGGASQITLPQFERT 216

Qy 241 LOASPGYLLALMRNTRTYKLYSYLGIIGMSRALAIIAGGVSQPAKCKELNSPCIS 300

Db 217 LEQTPRGYLTSPEMNISTKYLYTHSLGLGKAARLATGALTE-GTQHTFRSACLR 275

Qy 301 SFKGENEHAEVTYRISGQKAASHELCARSVELNQNHVRTEVKAVDFYASYYDL 360

Db 276 WLEAEWIFFGGVYQYGNODGEVGFEPCTAEVLVRVGRKLHOPEEVORGSFAYSYYDR 335

Qy 361 AAGVGLIDAKGGSJYVGFIAKVKYCTLETQPOSSFSMCMLTYVSLUQB-FGFER 419

Db 336 AVDTDMVIDEKKGLKVEDPERKAREVCNDLENFTSGSPFLCMDSYITALKDGFQFAD 395

Qy 420 SKVJKTRKDNEVTSWALGAIFHIDS_ 448

Db 396 STVLOLTKVNNTETGWALGATHILQLS_ 424

RESULT 10

US-09-240-639-9

Sequence 9, Application US/09240639

GENERAL INFORMATION:

APPLICANT: Chadwick, Brian Paul

APPLICANT: Frischauft, Anna-Maria

APPLICANT: Frischauft, Anna-Maria

TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS

FILE REFERENCE: 9598-066

CURRENT APPLICATION NUMBER: US/09/240, 639

CURRENT FILING DATE: 1998-01-29

NUMBER OF SEQ ID NOS: 29

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 9

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

US-09-240-639-9

Query Match	42.3%; Score 999; DB 4; length 428;
Best Local Similarity	52.4%; Pred. No. 2.8e-96; Mismatches 123; Index 6; Gaps 4;
Matches	204; Conservative 56; Mismatches 123; Index 6; Gaps 4;
Qy	62 PLGTAADGHEVYFGIMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Db	40 PINVSA--STLYGMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Qy	121 VEKSSQIRELUDVAKODPFPWKATPLVKATAGSLRILPGEKAQKLQIQRKVEFKFASP 180
Db	97 PKQGATIVQGLLEVAKDSIPRSHWKCPVVKATAGRLILPHEKAKALLFEVKERFRKSP 156
Qy	181 FLVGDGVCSIMNGTDEGVSAWITINFLGSLSKTGGSSVGMIDGGGSTOAFLPVEGT 240
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	241 LQASPGYLTLARMRNTTYKLYSYIYGIGLMSRLAIGGVEOPAKGKELSPCLSP 300
Db	217 LEQTPRGYLTSFEMNSTYKLYSYIYLGRKLAARLATGALETE-GTDQHTFRSACLPR 275
Qy	301 SFKGWEHAEVTRYVSGOKAAASHLCAARVSEULQNVRHTRTEVKHDFYASYYYL 360
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	241 LQASPGYLTLARMRNTTYKLYSYIYGIGLMSRLAIGGVEOPAKGKELSPCLSP 300
Db	217 LEQTPRGYLTSFEMNSTYKLYSYIYLGRKLAARLATGALETE-GTDQHTFRSACLPR 275
Qy	301 SFKGWEHAEVTRYVSGOKAAASHLCAARVSEULQNVRHTRTEVKHDFYASYYYL 360
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	361 AAGVGLIDAERKGSILVGFPEIAKXVCRTLETQPOSSFSCHMLTYVSLIQLQ-FGGPR 419
Db	336 AVDTDMIDYEKGGLKVEDPERKAREVCDNLLENFTSGSPFLCMDSYTALKDQGFFAD 395
Qy	420 SKVLKLTURKIDNVENTSWALGAIFHMTDSL 448
Db	396 STVLOLTKVNNIETGWALGATFHILQSL 424
RESULT 11	US-03-350-836B-3
Sequence 3,	Application US/09350836B
Patent No.	6387645
GENERAL INFORMATION:	
APPLICANT:	Ford, John
ATTORNEY:	Mulero, Julio
TITLE OF INVENTION:	METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
TITLE OF INVENTION:	POLYPEPTIDES
FILE REFERENCE:	28110/31761
CURRENT APPLICATION NUMBER:	US/09/350, 836B
CURRENT FILING DATE:	1999-07-09
PRIOR APPLICATION NUMBER:	09/273, 447
PRIOR APPLICATION NUMBER:	09/118, 205
PRIOR FILING DATE:	1998-07-16
PRIOR FILING DATE:	1999-03-19
PRIOR FILING DATE:	1998-07-24
PRIOR FILING DATE:	1999-02-19
PRIOR FILING DATE:	1999-02-04
NUMBER OF SEQ ID NOS.:	23
SOFTWARE:	PatentIn Ver. 2.0
SEQ ID NO:	5
LENGTH:	428
TYPE:	PRT
ORGANISM:	Homo sapiens
US-09-350-836B-5	
Query Match	42.3%; Score 999; DB 4; Length 428;
Best Local Similarity	52.4%; Pred. No. 2.8e-96; Mismatches 123; Index 6; Gaps 4;
Matches	204; Conservative 56; Mismatches 123; Index 6; Gaps 4;
Qy	62 PLGTAADGHEVYFGIMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Db	40 PINVSA--STLYGMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Qy	121 VEKSSQIRELUDVAKODPFPWKATPLVKATAGSLRILPGEKAQKLQIQRKVEFKFASP 180
Db	97 PKQGATIVQGLLEVAKDSIPRSHWKCPVVKATAGRLILPHEKAKALLFEVKERFRKSP 156
Qy	181 FLVGDGVCSIMNGTDEGVSAWITINFLGSLSKTGGSSVGMIDGGGSTOAFLPVEGT 240
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	241 LQASPGYLTLARMRNTTYKLYSYIYGIGLMSRLAIGGVEOPAKGKELSPCLSP 300
Db	217 LEQTPRGYLTSFEMNSTYKLYSYIYLGRKLAARLATGALETE-GTDQHTFRSACLPR 275
Qy	301 SFKGWEHAEVTRYVSGOKAAASHLCAARVSEULQNVRHTRTEVKHDFYASYYYL 360
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	361 AAGVGLIDAERKGSILVGFPEIAKXVCRTLETQPOSSFSCHMLTYVSLIQLQ-FGGPR 419
Db	336 AVDTDMIDYEKGGLKVEDPERKAREVCDNLLENFTSGSPFLCMDSYTALKDQGFFAD 395
Qy	420 SKVLKLTURKIDNVENTSWALGAIFHMTDSL 448
Db	396 STVLOLTKVNNIETGWALGATFHILQSL 424
RESULT 12	US-03-350-836B-5
Sequence 5,	Application US/09350836B
Patent No.	6387645
GENERAL INFORMATION:	
APPLICANT:	Ford, John
ATTORNEY:	Mulero, Julio
TITLE OF INVENTION:	METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
TITLE OF INVENTION:	POLYPEPTIDES
FILE REFERENCE:	28110/31761
CURRENT APPLICATION NUMBER:	US/09/350, 836B
CURRENT FILING DATE:	1999-07-09
PRIOR APPLICATION NUMBER:	09/273, 447
PRIOR FILING DATE:	1998-07-16
PRIOR FILING DATE:	1999-03-19
PRIOR FILING DATE:	1998-07-24
PRIOR FILING DATE:	1999-02-19
PRIOR FILING DATE:	1999-02-04
NUMBER OF SEQ ID NOS.:	23
SOFTWARE:	PatentIn Ver. 2.0
SEQ ID NO:	5
LENGTH:	428
TYPE:	PRT
ORGANISM:	Homo sapiens
US-09-350-836B-5	
Query Match	42.3%; Score 999; DB 4; Length 428;
Best Local Similarity	52.4%; Pred. No. 2.8e-96; Mismatches 123; Index 6; Gaps 4;
Matches	204; Conservative 56; Mismatches 123; Index 6; Gaps 4;
Qy	62 PLGTAADGHEVYFGIMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Db	40 PINVSA--STLYGMFDAGSTGTRVVFQQT-RPPRETPILTHETFKAVKPGLSAYADD 120
Qy	121 VEKSSQIRELUDVAKODPFPWKATPLVKATAGSLRILPGEKAQKLQIQRKVEFKFASP 180
Db	97 PKQGATIVQGLLEVAKDSIPRSHWKCPVVKATAGRLILPHEKAKALLFEVKERFRKSP 156
Qy	181 FLVGDGVCSIMNGTDEGVSAWITINFLGSLSKTGGSSVGMIDGGGSTOAFLPVEGT 240
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	241 LQASPGYLTLARMRNTTYKLYSYIYGIGLMSRLAIGGVEOPAKGKELSPCLSP 300
Db	217 LEQTPRGYLTSFEMNSTYKLYSYIYLGRKLAARLATGALETE-GTDQHTFRSACLPR 275
Qy	301 SFKGWEHAEVTRYVSGOKAAASHLCAARVSEULQNVRHTRTEVKHDFYASYYYL 360
Db	157 FLVPKGVSIMDGSDEGILAWTVNFLTQHGRQBTVGTLDDGASTQITFLPQFEKT 216
Qy	361 AAGVGLIDAERKGSILVGFPEIAKXVCRTLETQPOSSFSCHMLTYVSLIQLQ-FGGPR 419
Db	336 AVDTDMIDYEKGGLKVEDPERKAREVCDNLLENFTSGSPFLCMDSYTALKDQGFFAD 395

RESULT 13
US-09-370-265-3

; Sequence 3, Application US/09370265
; Patent No. 644771
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; INVENTOR: Mulero, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES
; FILE REFERENCE: 2811/35908
; CURRENT APPLICATION NUMBER: US/09/370,265
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: PCT/US99/16180
; EARLIER FILING DATE: 1999-07-16
; EARLIER APPLICATION NUMBER: 09/350,836
; EARLIER FILING DATE: 1999-07-09
; EARLIER APPLICATION NUMBER: 09/122,449
; EARLIER FILING DATE: 1998-07-16
; EARLIER APPLICATION NUMBER: 09/244,444
; EARLIER FILING DATE: 1999-02-04
; EARLIER FILING DATE: 1998-07-24
; EARLIER APPLICATION NUMBER: 09/118,205
; EARLIER FILING DATE: 1998-07-16
; EARLIER APPLICATION NUMBER: 09/118,205
; EARLIER FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-370-265-3

Query Match 42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy 62 PLGTAADGHVFYGMFDAGSTGTRVHFQFT-RPREPRTLTHETFKAVKPGLSAYADD 120
Qy 62 PLGTAADGHVFYGMFDAGSTGTRVHFQFT-RPREPRTLTHETFKAVKPGLSAYADD 120
Db 40 PINVA--STLYGIMFDAGSTGTRIHVYTFVQMGQFILESEPVFDVKPGLSAFVDQ 96
Db 40 PINVA--STLYGIMFDAGSTGTRIHVYTFVQMGQFILESEPVFDVKPGLSAFVDQ 96

Qy 121 VEKSAQGIRELLDVAQDIDPFDFWAKATPLVKATAQLRILPGEKAQULQKVEVKASP 180
Qy 121 VEKSAQGIRELLDVAQDIDPFDFWAKATPLVKATAQLRILPGEKAQULQKVEVKASP 180
Db 97 PKQGARTBQVGLEREADSIPRSHWKTCPVVKATAGRLRILPEHKAKALFSEVKERFKSP 156
Db 97 PKQGARTBQVGLEREADSIPRSHWKTCPVVKATAGRLRILPEHKAKALFSEVKERFKSP 156

Qy 181 FLVGDGCYSTINGTDPEGSASWITINFLTGTSKTPGSSVGMDLGGSTOTAFPLPVEGT 240
Qy 181 FLVGDGCYSTINGTDPEGSASWITINFLTGTSKTPGSSVGMDLGGSTOTAFPLPVEGT 240
Db 157 FLVPKSVSINDSGSPEGLAWTNTFLTGQHGHQRTETVGLDGASTQTFLPFEKT 216
Db 157 FLVPKSVSINDSGSPEGLAWTNTFLTGQHGHQRTETVGLDGASTQTFLPFEKT 216

Qy 241 IQASPGYLTAIRMRNTRYKYSYSTSITGLGMSARAILGSGEOPAKDSGKELVISCLSP 300
Qy 241 IQASPGYLTAIRMRNTRYKYSYSTSITGLGMSARAILGSGEOPAKDSGKELVISCLSP 300
Db 217 FLVPGKGSVSMGSDDEGLIAWVTPNPLGQHGRQBTGVTLDDJGASTOTFLPFEKT 275
Db 217 FLVPGKGSVSMGSDDEGLIAWVTPNPLGQHGRQBTGVTLDDJGASTOTFLPFEKT 275

Qy 301 SFKGEMEHAEVTVYRSGQKAASLHELCAARVSEVLQRVHTEEVKHVDYAFYYYDL 360
Qy 301 SFKGEMEHAEVTVYRSGQKAASLHELCAARVSEVLQRVHTEEVKHVDYAFYYYDL 360
Db 276 WLEAEMIFGGVYQOYGNQSGEVFBPCYABVLVRGKQHOPPEVORGSYFASYYDR 335
Db 276 WLEAEMIFGGVYQOYGNQSGEVFBPCYABVLVRGKQHOPPEVORGSYFASYYDR 335

Qy 361 AAGVGLDAEKGSLWVGDDELAALKWCRTLETQFQSSPSCMDLYVSLLQE-FGFP 419
Qy 361 AAGVGLDAEKGSLWVGDDELAALKWCRTLETQFQSSPSCMDLYVSLLQE-FGFP 419
Db 336 AVDTMDIVYEGGIKVEDERKARFCAVCDNLENFTSGSPFLCMDISYITALIKDGFQFAD 395
Db 336 AVDTMDIVYEGGIKVEDERKARFCAVCDNLENFTSGSPFLCMDISYITALIKDGFQFAD 395

RESULT 14
US-09-370-265-5

; Sequence 5, Application US/09370265
; Patent No. 644771
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; INVENTOR: Mulero, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES
; FILE REFERENCE: 2811/35908
; CURRENT APPLICATION NUMBER: US/09/370,265
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: PCT/US99/16180
; EARLIER FILING DATE: 1999-07-16
; EARLIER APPLICATION NUMBER: 09/350,836
; EARLIER FILING DATE: 1999-07-09
; EARLIER APPLICATION NUMBER: 09/122,449
; EARLIER FILING DATE: 1998-07-24
; EARLIER APPLICATION NUMBER: 09/118,205
; EARLIER FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-370-265-5

Query Match 42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy 62 PLGTAADGHVFYGMFDAGSTGTRVHFQFT-RPREPRTLTHETFKAVKPGLSAYADD 120
Qy 62 PLGTAADGHVFYGMFDAGSTGTRVHFQFT-RPREPRTLTHETFKAVKPGLSAYADD 120
Db 40 PINVA--STLYGIMFDAGSTGTRIHVYTFVQMGQFILESEPVFDVKPGLSAFVDQ 96
Db 40 PINVA--STLYGIMFDAGSTGTRIHVYTFVQMGQFILESEPVFDVKPGLSAFVDQ 96

Qy 121 VEKSAQGIRELLDVAQDIDPFDFWAKATPLVKATAQLRILPGEKAQULQKVEVKASP 180
Qy 121 VEKSAQGIRELLDVAQDIDPFDFWAKATPLVKATAQLRILPGEKAQULQKVEVKASP 180
Db 97 PKQGARTBQVGLEREADSIPRSHWKTCPVVKATAGRLRILPEHKAKALFSEVKERFKSP 156
Db 97 PKQGARTBQVGLEREADSIPRSHWKTCPVVKATAGRLRILPEHKAKALFSEVKERFKSP 156

Qy 181 FLVGDGCYSTINGTDPEGSASWITINFLTGTSKTPGSSVGMDLGGSTOTAFPLPVEGT 240
Qy 181 FLVGDGCYSTINGTDPEGSASWITINFLTGTSKTPGSSVGMDLGGSTOTAFPLPVEGT 240
Db 157 FLVPKSVSINDSGSPEGLAWTNTFLTGQHGHQRTETVGLDGASTQTFLPFEKT 216
Db 157 FLVPKSVSINDSGSPEGLAWTNTFLTGQHGHQRTETVGLDGASTQTFLPFEKT 216

Qy 241 IQASPGYLTAIRMRNTRYKYSYSTSITGLGMSARAILGSGEOPAKDSGKELVISCLSP 300
Qy 241 IQASPGYLTAIRMRNTRYKYSYSTSITGLGMSARAILGSGEOPAKDSGKELVISCLSP 300
Db 217 FLVPGKGSVSMGSDDEGLIAWVTPNPLGQHGRQBTGVTLDDJGASTOTFLPFEKT 275
Db 217 FLVPGKGSVSMGSDDEGLIAWVTPNPLGQHGRQBTGVTLDDJGASTOTFLPFEKT 275

Qy 301 SFKGEMEHAEVTVYRSGQKAASLHELCAARVSEVLQRVHTEEVKHVDYAFYYYDL 360
Qy 301 SFKGEMEHAEVTVYRSGQKAASLHELCAARVSEVLQRVHTEEVKHVDYAFYYYDL 360
Db 276 WLEAEMIFGGVYQOYGNQSGEVFBPCYABVLVRGKQHOPPEVORGSYFASYYDR 335
Db 276 WLEAEMIFGGVYQOYGNQSGEVFBPCYABVLVRGKQHOPPEVORGSYFASYYDR 335

Qy 361 AAGVGLDAEKGSLWVGDDELAALKWCRTLETQFQSSPSCMDLYVSLLQE-FGFP 419
Qy 361 AAGVGLDAEKGSLWVGDDELAALKWCRTLETQFQSSPSCMDLYVSLLQE-FGFP 419
Db 336 AVDTMDIVYEGGIKVEDERKARFCAVCDNLENFTSGSPFLCMDISYITALIKDGFQFAD 395
Db 336 AVDTMDIVYEGGIKVEDERKARFCAVCDNLENFTSGSPFLCMDISYITALIKDGFQFAD 395

RESULT 15
US-09-557-800C-3

; Sequence 3, Application US/09557800C
; Patent No. 647621
; GENERAL INFORMATION:
; APPLICANT: Ford, John

APPLICANT: Mulero, Julio
 APPLICANT: Young, George
 TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
 TITLE OF INVENTION: Polypeptides
 FILE REFERENCE: 28110/36557
 CURRENT APPLICATION NUMBER: US/09/557,800C
 CURRENT FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/481,238
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: 09/370,265
 PRIOR FILING DATE: 1995-08-09
 PRIOR APPLICATION NUMBER: PCT/US99/16180
 PRIOR FILING DATE: 1999-07-16
 PRIOR APPLICATION NUMBER: 09/350836
 PRIOR FILING DATE: 1999-07-09
 PRIOR APPLICATION NUMBER: 09/273447
 PRIOR FILING DATE: 1999-03-19
 PRIOR APPLICATION NUMBER: 09/122449
 PRIOR FILING DATE: 1998-07-24
 PRIOR APPLICATION NUMBER: 09/244444
 PRIOR FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: 09/1118,205
 PRIOR FILING DATE: 1998-07-16
 NUMBER OF SEQ ID NOS: 55
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO: 3
 LENGTH: 428
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-557-800C-3

Query Match 42.3%; Score 959; DB 4; Length 428;
 Best Local Similarity 52.4%; Pred. No. 2,8e-96; Mismatches 123; Indels 6; Gaps 4;
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy	62	PLGTAADGHFVYKIMFDAGGSTGRVRHYFQFT-RPPRETPUTHETRKAVKRGGLSAYD	120
Db	40	PINVSA-LSTLIGIMFDAGGSTGRVRHYFQFTVWKGPGDLPGEVSDVKGPSLAVDQ	96
Qy	121	VEKSAQGIRELLVAKOPIPDFWKATVLVKATAGRILPPEPKAOKLQLQKVEVKASP	180
Db	97	PKQGAEVTGGLEVAKDSIPRSHWKTKPVVKATAGRLPPEHKAKALLKEVKEFRKSP	156
Qy	181	FLVQDDCVISIIMGIDEGSYASWITNEFGSKLPGGSSVGMDIGGSTOIAFLPVEGT	240
Db	157	FLVPKGSVSMDSDEGLIAWVTFNLGQQLHQRQETVUGTLDIGGASTQTLFLPEKT	216
Qy	241	LQASPPGYTIALMRNRYKLYSYKSYLGLMSARLAIGGEGQPAKDGKELVSCISP	300
Db	217	LEOPPRGYTISFEMENSTYKLYHSYLRGPKARLATHBETE-GTDGHTFRSACIPLR	275
Qy	301	SFKGEWEHAEVTRVSGQKAASLHELCAARSVELVQNRVHRTEEVKAVDVFASYIDL	360
Db	276	WLEAEWIFGGKVYQOGHNGEVEGFEPYAEVLRVURGKLHQPEEVQRGSEFASTYYDR	335
Qy	361	AAGYGLIDAKXGGSLIVVQDFEIAKYVVRTLETQPOQSPPFCMDLTIVSLLIQE_FGFP	419
Db	336	AVDTDMIDVEKGGKLVEDFERGAREVCDLNLENFTSGSPFLCMDLSVITALIJKDGFCAF	395
Qy	420	SKVQLTRKIDKVNTSWALGAIIHYDSL	448
Db	396	STVIQLTKEVNNTBTGWAAGTATHLQLS	424

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Om protein - protein search, using sw model

Run on: August 23., 2004, 09:37:41 ; Search time 126 Seconds

Scoring table: BLOSUM62

Total number of hits satisfying chosen parameters: 1295152

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata1/pubpaal/PCT_NEW_PUB.pep:*

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15: /cgn2_6/ptodata1/pubpaal/us10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata1/pubpaal/us10_NEW_PUB.pep:*

17: /cgn2_6/ptodata1/pubpaal/us60_NEW_PUB.pep:*

18: /cgn2_6/ptodata1/pubpaal/us60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	2364	100.0	484 13 US-10-092-003-27	Sequence 27, Appl
2	2364	100.0	484 14 US-10-286-926-27	Sequence 27, Appl
3	2364	100.0	484 15 US-10-231-913-123	Sequence 123, Appl
4	2361	99.9	467 15 US-10-231-913-36	Sequence 36, Appl
5	2357	99.7	484 15 US-10-231-913-124	Sequence 124, Appl
6	2116	89.5	446 15 US-10-231-913-38	Sequence 38, Appl
7	2033	87.3	455 15 US-10-231-913-125	Sequence 125, Appl
8	1954	82.7	379 15 US-10-231-913-27	Sequence 271, Appl
9	1007	42.6	427 15 US-10-231-913-126	Sequence 126, Appl
10	999	42.3	428 13 US-10-091-005-3	Sequence 3, Appl
11	999	42.3	428 13 US-10-091-005-5	Sequence 5, Appl
12	999	42.3	428 13 US-10-092-003-3	Sequence 3, Appl
13	999	42.3	428 13 US-10-092-003-5	Sequence 5, Appl
14	42.3	428 14 US-10-286-926-3	Sequence 3, Appl	
15	42.3	428 14 US-10-286-926-5	Sequence 5, Appl	

RESULT 1
US-10-092-063-27
; Sequence 27, Application US/10092063
; Publication No. US20020173005A1

GENERAL INFORMATION:

APPLICANT: Ford, John

APPLICANT: Mulero, Julio

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES

FILE REFERENCE: 28110/3508

CURRENT APPLICATION NUMBER: US-10/092,063

CURRENT FILING DATE: 2002-03-05

PRIOR APPLICATION NUMBER: 09/370,265

PRIOR FILING DATE: 2002-01-31

PRIOR APPLICATION NUMBER: PCT/US99/16180

PRIOR FILING DATE: 1999-07-16

PRIOR APPLICATION NUMBER: 09/350,836

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: 09/273,447

PRIOR FILING DATE: 1999-03-19

PRIOR APPLICATION NUMBER: 09/244,444

PRIOR FILING DATE: 1999-02-04

PRIOR APPLICATION NUMBER: 09/122,449

PRIOR FILING DATE: 1998-07-24

PRIOR APPLICATION NUMBER: 09/18,205

PRIOR FILING DATE: 1998-07-16

NUMBER OF SEQ ID NOS: 39

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 27

LENGTH: 484

TYPE: PRT

ORGANISM: Homo sapiens

; US-10-092-063-27

Query Match 100.0%; Score 2364; DB 13; length 484;
Best Local Similarity 100.0%; Prod. No. 1.5e-231; Mismatches 0; Indels 0; Gaps 0;

Matches 456; Conservative 0; Sequence 5, Appli

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Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Qy 61 SPLGTAADGHEVFVGYIMFDAGSTGCTRVHVFQFRPPTPLTHEFTKAVKGSLAYADD 120
 Db 89 SPLGTAADGHEVFVGYIMFDAGSTGCTRVHVFQFRPPTPLTHEFTKAVKGSLAYADD 148
 Db 121 VEKSQIGIRELLDYAKOIPFDWKATPLVKATAGRLPGEKAQKLUOKYKEVKASP 180
 Qy 149 VEKSQIGIRELLDYAKOIPFDWKATPLVKATAGRLPGEKAQKLUOKYKEVKASP 208
 Db 181 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 240
 Qy 209 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 268
 Db 301 SFKGERWEHAEVTRVSGKAASLHELCAARSEVOLNRVHTEEVKHDYAFSYIDL 360
 Qy 329 SFKGERWEHAEVTRVSGKAASLHELCAARSEVOLNRVHTEEVKHDYAFSYIDL 388
 Db 361 AAGYGLIDAEKGSSLWVDFEIAKYVRTLETQPOSSPFSCMDITYSLLIQEFGPRS 420
 Qy 389 AAGYGLIDAEKGSSLWVDFEIAKYVRTLETQPOSSPFSCMDITYSLLIQEFGPRS 448
 Db 421 KVULKTRKIDNVEWSWAIGAIFHYIDSNRQSPAS 456
 Qy 449 KVULKTRKIDNVEWSWAIGAIFHYIDSNRQSPAS 484
 Db RESULT 2
 US-10-286-926-27
 ; Sequence 27, Application US/10286926
 ; Publication No. US20030175752A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ford, John
 ; APPLICANT: Mulero, Julio
 ; APPLICANT: Yeung, George
 ; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
 ; TITLE OF INVENTION: Polypeptides
 ; FILE REFERENCE: 28110/36457CON
 ; CURRENT APPLICATION NUMBER: US/10/286,926
 ; CURRENT FILING DATE: 2002-11-01
 ; PRIOR APPLICATION NUMBER: 09/557,800
 ; PRIOR FILING DATE: 2000-04-25
 ; PRIOR APPLICATION NUMBER: 09/481,238
 ; PRIOR FILING DATE: 2000-01-11
 ; PRIOR APPLICATION NUMBER: 09/370,265
 ; PRIOR FILING DATE: 1999-08-09
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180
 ; PRIOR FILING DATE: 1999-07-16
 ; PRIOR APPLICATION NUMBER: 09/350936
 ; PRIOR FILING DATE: 1999-07-09
 ; PRIOR APPLICATION NUMBER: 09/273447
 ; PRIOR FILING DATE: 1999-03-19
 ; PRIOR APPLICATION NUMBER: 09/122449
 ; PRIOR FILING DATE: 1998-07-24
 ; PRIOR APPLICATION NUMBER: 09/244444
 ; PRIOR FILING DATE: 1999-02-04
 ; PRIOR APPLICATION NUMBER: 09/111,205
 ; PRIOR FILING DATE: 1998-07-16
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 27
 ; LENGTH: 484
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-286-926-27
 Query Match Score 100.0%; Score 2364; DB 14; Length 484;
 Best Local Similarity 100.0%; Pred. No. 1.5e-231;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MRKTSNHSIRLVRKAVAYPLGLCVGFVYAYIKHRAATOAFFSITRAAPGARWQOAH 60
 Qy 61 SPLGTAADGHEVFVGYIMFDAGSTGCTRVHVFQFRPPTPLTHEFTKAVKGSLAYADD 120
 Db 29 MRKTSNHSIRLVRKAVAYPLGLCVGFVYAYIKHRAATOAFFSITRAAPGARWQOAH 88
 Db 61 SPLGTAADGHEVFVGYIMFDAGSTGCTRVHVFQFRPPTPLTHEFTKAVKGSLAYADD 120
 Qy 69 SPLGTAADGHEVFVGYIMFDAGSTGCTRVHVFQFRPPTPLTHEFTKAVKGSLAYADD 148
 Db 121 VEKSQIGIRELLDYAKOIPFDWKATPLVKATAGRLPGEKAQKLUOKYKEVKASP 180
 Qy 149 VEKSQIGIRELLDYAKOIPFDWKATPLVKATAGRLPGEKAQKLUOKYKEVKASP 208
 Db 181 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 240
 Qy 209 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 268
 Db 241 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 300
 Qy 269 FLVGDCCVSIMNGTDEGSWSAWITNFLTGSLKTPGGSSVGMDLGEGSTQAFPLRGTE 328
 Db 301 SFKGERWEHAEVTRVSGKAASLHELCAARSEVOLNRVHTEEVKHDYAFSYIDL 360
 Qy 329 SFKGERWEHAEVTRVSGKAASLHELCAARSEVOLNRVHTEEVKHDYAFSYIDL 388
 Db 361 AAGYGLIDAEKGSSLWVDFEIAKYVRTLETQPOSSPFSCMDITYSLLIQEFGPRS 420
 Qy 389 AAGYGLIDAEKGSSLWVDFEIAKYVRTLETQPOSSPFSCMDITYSLLIQEFGPRS 448
 Db 421 KVULKTRKIDNVEWSWAIGAIFHYIDSNRQSPAS 456
 Qy 449 KVULKTRKIDNVEWSWAIGAIFHYIDSNRQSPAS 484
 Db RESULT 3
 US-10-231-913-123
 ; Sequence 123, Application US/10231913
 ; Publication No. US20040005576A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Guo, Xiaojia S.
 ; APPLICANT: Li, Li
 ; APPLICANT: Patterson, Meera
 ; APPLICANT: Shimkets, Richard A.
 ; APPLICANT: Cahan, Stacie J.
 ; APPLICANT: Malanykar, Uriel M.
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Vernet, Corine A.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Shenoy, Surash G.
 ; APPLICANT: Alsobrook II, John P.
 ; APPLICANT: Edinger, Schimot
 ; APPLICANT: Peyman, John A.
 ; APPLICANT: Stom, David J.
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Gangolli, Esha A.
 ; APPLICANT: Boldog, Ference L.
 ; APPLICANT: Colman, Steven D.
 ; APPLICANT: Eisen, Andrew J.
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Spaderna, Steven K.
 ; APPLICANT: Zehnusen, Bryan D.
 ; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 21102-216
 ; CURRENT APPLICATION NUMBER: US/10/231,913
 ; CURRENT FILING DATE: 2002-08-30
 ; PRIOR APPLICATION NUMBER: 60/251,660
 ; PRIOR FILING DATE: 2000-12-06
 ; PRIOR APPLICATION NUMBER: 60/260,326
 ; PRIOR FILING DATE: 2001-01-08

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; PRIOR APPLICATION NUMBER: 60/263,800
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/269,942
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/286,183
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: 60/313,627
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/318,712
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 123
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-231-913-123

Query Match 100.0%; Score 2364; DB 15; Length 484;
Best Local Similarity 100.0%; Pred. No. 1; 5e-231; Mismatches 0; Indels 0; Gaps 0; Matches 456; Conservative 0;
Qy 1 MRKISNHGSRLRVAKVAYPLGICVGFVYAKWHRATATOFSITRAAPGARWQAH 60
Db 29 MRKISNHGSRLRVAKVAYPLGICVGFVYAKWHRATATOFSITRAAPGARWQAH 88
Qy 61 SPLGTAADGHEVFGIMFDAGSTGTRVHVFQFTRPPREPTIHTEPKAVKPGLSAYADD 120
Db 89 SPLGTAADGHEVFGIMFDAGSTGTRVHVFQFTRPPREPTIHTEPKAVKPGLSAYADD 148
Qy 121 VEKSAGIRELLDVAKODIPFWKATPLVLKATAGRLIPGEKAQKLUQKVEFKASP 180
Db 149 VEKSAGIRELLDVAKODIPFWKATPLVLKATAGRLIPGEKAQKLUQKVEFKASP 208
Qy 181 FLVGDDCVSIMGTDGEGSVAWITNFLTSKLPGGSSVGMIDLGGSSTQIAFLPRVEGT 240
Db 209 FLVGDDCVSIMGTDGEGSVAWITNFLTSKLPGGSSVGMIDLGGSSTQIAFLPRVEGT 268
Qy 241 LQASPPGYLTARMFNRYKJYSYSLGIMSARLAITGGTQGQAKDGKGLVSPCLSP 300
Db 269 LQASPPGYLTARMFNRYKJYSYSLGIMSARLAITGGTQGQAKDGKGLVSPCLSP 328
Qy 301 SPKGEWEHAEVTVRVSQKAASLHELCAARSEVQLNVRHTEEVGHDFYAFSYVDL 360
Db 329 SPKGEWEHAEVTVRVSQKAASLHELCAARSEVQLNVRHTEEVGHDFYAFSYVDL 388
Qy 361 AAGVGLDAEKGSLVVGDFETAAKYVORTLETQPOSSPSFCMDLYTSSLQEGFPERS 420
Db 389 AAGVGLDAEKGSLVVGDFETAAKYVORTLETQPOSSPSFCMDLYTSSLQEGFPERS 448
Qy 421 KVULKTRKIDNVETSWALGAIHYIDSLNRKSPAS 456
Db 449 KVULKTRKIDNVETSWALGAIHYIDSLNRKSPAS 484
RESULT 4
US-10-231-913-36
Sequence 36, Application US/10231913
; Publication No. US20040005576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Paturian, Meera
; APPLICANT: Shumkets, Richard A.
; APPLICANT: Cazman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.
; APPLICANT: Spyrek, Kimberly A.
; APPLICANT: Sheroy, Suresh G.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Edinger, Schlonit
; APPLICANT: Peyman, John A.

Query Match 99.9%; Score 2361; DB 15; Length 467;
Best Local Similarity 99.8%; Pred. No. 2; 9e-231; Mismatches 1; Indels 0; Gaps 0; Matches 455; Conservative 1;
Qy 1 MRKISNHGSRLRVAKVAYPLGICVGFVYAKWHRATATOFSITRAAPGARWQAH 60
Db 12 MRKISNHGSRLRVAKVAYPLGICVGFVYAKWHRATATOFSITRAAPGARWQAH 71
Qy 61 SPLGTAADGHEVFGIMFDAGSTGTRVHVFQFTRPPREPTIHTEPKAVKPGLSAYADD 120
Db 72 SPLGTAADGHEVFGIMFDAGSTGTRVHVFQFTRPPREPTIHTEPKAALKPGLSAYADD 131
Qy 121 VEKSAGIRELLDVAKODIPFWKATPLVLKATAGRLIPGEKAQKLUQKVEFKASP 180
Db 132 VEKSAGIRELLDVAKODIPFWKATPLVLKATAGRLIPGEKAQKLUQKVEFKASP 191
Qy 181 FLVGDDCVSIMGTDGEGSVAWITNFLTSKLPGGSSVGMIDLGGSSTQIAFLPRVEGT 240
Db 192 FLVGDDCVSIMGTDGEGSVAWITNFLTSKLPGGSSVGMIDLGGSSTQIAFLPRVEGT 251
Qy 241 LQASPPGYLTARMFNRYKJYSYSLGIMSARLAITGGTQGQAKDGKGLVSPCLSP 300
Db 252 LQASPPGYLTARMFNRYKJYSYSLGIMSARLAITGGTQGQAKDGKGLVSPCLSP 311
Qy 301 SPKGEWEHAEVTVRVSQKAASLHELCAARSEVQLNVRHTEEVGHDFYAFSYVDL 360
Db 312 SPKGEWEHAEVTVRVSQKAASLHELCAARSEVQLNVRHTEEVGHDFYAFSYVDL 371
Qy 361 AAGVGLDAEKGSLVVGDFETAAKYVORTLETQPOSSPSFCMDLYTSSLQEGFPERS 420
Db 372 AAGVGLDAEKGSLVVGDFETAAKYVORTLETQPOSSPSFCMDLYTSSLQEGFPERS 431
Qy 421 KVULKTRKIDNVETSWALGAIHYIDSLNRKSPAS 456
Db 432 KVULKTRKIDNVETSWALGAIHYIDSLNRKSPAS 467

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RESULT 5
US-10-231-913-124
; Sequence 124, Application US/10231913
; General Information:
; APPLICANT: Guo, Xiaoja S.
; APPLICANT: Li, Li
; APPLICANT: Patturajan, Meera
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Maiyankar, Uriel M.
; APPLICANT: Vernet, Corine A.
; APPLICANT: Spyrek, Kimberly A.
; APPLICANT: Shenvoy, Sursh G.
; APPLICANT: Alsobrook, II, John P.
; APPLICANT: Edinger, Schiowitz T.
; APPLICANT: Peyman, John A.
; APPLICANT: Elerman, Karen
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Elsen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Gangollil, Esha A.
; APPLICANT: Zerhusen, Bryan D.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 2102-216
CURRENT APPLICATION NUMBER: US/10/231,913
CURRENT FILING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: 60/251,660
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: 60/255,029
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/260,326
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: 60/263,800
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/269,942
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/286,183
PRIOR FILING DATE: 2001-04-24
PRIOR APPLICATION NUMBER: 60/313,627
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/318,712
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 292
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 124
LENGTH: 484
TYPE: PRT
ORGANISM: Homo sapiens
US-10-231-913-124
Query Match 99.7%; Score 2357; DB 15; length 484;
Best Local Similarity 99.6%; Pred. No. 7,9e-231; Gaps 0;
Matches 454; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRKTSNHSRSLRVKAVVAVPLGLCVGVFTIVAVKWHRATACTAFFSTRAAGPARGWQQAH 60
DB 29 MRKTSNHSRSLRVKAVVAVPLGLCVGVFTIVAVKWHRATACTAFFSTRAAGPARGWQQAH 88
DB 61 SPLGTAADGHEEVFGIMDAGSPTGRHVFQTRPREPTPLTHEPKAVPGISAYADD 120
DB 89 SPLGTAADGHEEVFGIMDAGSPTGRHVFQTRPREPTPLTHEPKAKPGISAYADD 148
QY 121 VEKSAQGRELVDVAKODIPPEPKWAKPLVIAKAGRLLIGEKAKKLQLQKVKEFKASP 180
DB 149 VEKSAQGRELVDVAKODIPPEPKWAKPLVIAKAGRLLIGEKAKKLQLQKVKEFKASP 208

RESULT 6
US-10-231-913-38
; Sequence 38, Application US/10231913
; Publication No. US20040005576A1
; General Information:
; APPLICANT: Guo, Xiaoja S.
; APPLICANT: Li, Li
; APPLICANT: Patturajan, Meera
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Maiyankar, Uriel M.
; APPLICANT: Vernet, Corine A.
; APPLICANT: Spyrek, Kimberly A.
; APPLICANT: Shenvoy, Sursh G.
; APPLICANT: Alsobrook, II, John P.
; APPLICANT: Edinger, Schiowitz T.
; APPLICANT: Peyman, John A.
; APPLICANT: Elerman, Karen
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Elsen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Gangollil, Esha A.
; APPLICANT: Zerhusen, Bryan D.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 2102-216
CURRENT APPLICATION NUMBER: US/10/231,913
CURRENT FILING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: 60/251,660
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: 60/255,029
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/260,326
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: 60/263,800
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/269,942
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/286,183
PRIOR FILING DATE: 2001-04-24
PRIOR APPLICATION NUMBER: 60/313,627
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/318,712
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 292
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 38

QY 181 FLVGDDCVS1MNGDEGSQAWITINFLTSKTPGGSSVGMUDLGGSSTQAPLPRVEGT 240
Db 209 FLVGDCVS1MNGDEGSQAWITINFLTSKTPGGSSVGMUDLGGSSTQAPLPRVEGT 268
QY 241 LQASPPGYTALRMPNRTKLYSYLSYLGMSARLATIGVQGPANDGEKELVSPCISP 300
Db 269 LQASPPGYTALRMPNRTKLYSYLSYLGMSARLATIGVQGPANDGEKELVSPCISP 328
QY 301 SPKGSEWEHAEVTVVSGKAAASHIHCARYSEVLOVRVHTEEVKDVDFASYYDL 360
Db 329 SFKGEWEHAEVTRVSGKAAASHIHCARYSEVLOVRVHTEEVKDVDFASYYDL 388
QY 361 AAGYGLIDAEKGGLVWVDPLEAKYVTRLETOPOSSPSNDLTUVSLLQEGFPPRS 420
Db 389 AAGVGLIDAKGGLVWVDPLEAKYVTRLETOPOSSPSNDLTUVSLLQEGFPPRS 448
QY 421 KVULKTRKDNEYSEWAAGIAFIYIDSNRQSPAS 456
Db 449 KVULKTRKDNEYSEWAAGIAFIYIDSNRQSPAS 484

LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-913-38

Query Match 89.5%; Score 2115; DB 15; Length 446;
Best Local Similarity 91.0%; Pred. No. 2.5e-205; Mismatches 1; Indels 38; Gaps 1;
Matches 415; Conservative 1; Mismatches 2; Indels 38; Gaps 1;

QY 1 MRKTSNHSLSRVAKVAYPLGLCGVFTIVAKWHRATOAFFSTRAAARGARNQOH 60
Db 29 MEXLISNGSLRRAV-----ARIGQAH 50

QY 61 SPILGTAADGHEVFYGMFDAGSTGTRVHFQFTRPPTETPTIHTFKAVKPGSAYADD 120
Db 51 SPILGTAADGHEVFYGMFDAGSTGTRVHFQFTRPPTETPTIHTFKALKPGSAYADD 110

QY 121 VEKSAGIRELLDVAKODIPPFWKAPPLVKATAGRLIPGEKAQKLQKVKEFKASP 180
Db 111 VPKSAQGIRELLDVAKODIPPFWKAPPLVKATAGRLIPGEKAQKLQKVKEFKASP 170

QY 181 FLVGDDCVS1MNGTDEGVASAMTINFLTSLSKTPGCCSSVGMDLGGSQSTIAFLRVEGT 240
Db 171 FLVGDDCVS1MNGTDEGVASAMTINFLTSLSKTPGCCSSVGMDLGGSQSTIAFLRVEGT 240

Db 171 FLVGDDCVS1MNGTDEGVASAMTINFLTSLSKTPGCCSSVGMDLGGSQSTIAFLRVEGT 230

QY 241 LOASPPGVLTALEMNRTKLYSYIIGLGLMSARLA1LGGVEQPAKGELVSPCLSP 300
Db 231 LQASPPGVLTALEMNRTKLYSYIIGLGLMSARLA1LGGVEQPAKGELVSPCLSP 290

QY 301 SFKGWEHAEVTYRVSGOKAAASLHLCAARVESEV1QNRVHTEENKHDYAFSYVDL 360
Db 291 SFKGWEHAEVTYRVSGOKAAASLHLCAARVESEV1QNRVHTEENKHDYAFSYVDL 350

QY 361 AAGVGLIDAEKGSLVQDFEIAKYCRTLTOPOSPFSCMDLYVSLLQEFQGPRS 420
Db 351 AAGVGLIDAEKGSLVQDFEIAKYCRTLTOPOSPFSCMDLYVSLLQEFQGPRS 410

Qy 421 KVULKLRKIDNVE1SWALGA1FYHIDS1NROSPAS 456
Db 411 KVULKLRKIDNVE1SWALGA1FYHIDS1NROSPAS 446

RESULT 7
US-10-231-913-125

Sequence 125, Application US/10231913
Publication No. US20040005576A1

GENERAL INFORMATION:

APPLICANT: Guo, Xiaoja S.

APPLICANT: Li, Li

APPLICANT: Paturrajan, Meera

APPLICANT: Shimkets, Richard A.

APPLICANT: Casman, Stacie J.

APPLICANT: Malvankar, Uriel M.

APPLICANT: Tchernev, Valizar T.

APPLICANT: Vernet, Corine A.

APPLICANT: Spytek, Kimberly A.

APPLICANT: Shenvy, Suresh G.

APPLICANT: Alsobrook II, John P.

APPLICANT: Edinger, Schimot

APPLICANT: Peyman, John A.

APPLICANT: Stone, David J.

APPLICANT: Ellerman, Karen

APPLICANT: Gangoli, Esha A.

APPLICANT: Boldog, Ferrence L.

APPLICANT: Colman, Steven D.

APPLICANT: Eisner, Andrew J.

APPLICANT: Padigaru, Muralichara

APPLICANT: Spedden, Steven K.

APPLICANT: Zethusen, Bryan D.

TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same

CURRENT FILING DATE: 2002-08-30
PRIORITY APPLICATION NUMBER: 60/251,660
PRIOR FILING DATE: 2000-12-06
PRIORITY APPLICATION NUMBER: 60/255,029
PRIOR FILING DATE: 2000-12-12
PRIORITY APPLICATION NUMBER: 60/260,326
PRIOR FILING DATE: 2001-01-08
PRIORITY APPLICATION NUMBER: 60/263,800
PRIOR FILING DATE: 2001-01-24
PRIORITY APPLICATION NUMBER: 60/269,942
PRIOR FILING DATE: 2001-02-20
PRIORITY APPLICATION NUMBER: 60/286,183
PRIOR FILING DATE: 2001-04-24
PRIORITY APPLICATION NUMBER: 60/313,627
PRIOR FILING DATE: 2001-08-20
PRIORITY APPLICATION NUMBER: 60/318,712
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 292

SOFTWARE: PatentIn ver. 2.1
SEQ ID NO: 125
LENGTH: 455

TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-231-913-125

Query Match 87.3%; Score 2063.5; DB 15; Length 455;
Best Local Similarity 88.6%; Pred. No. 5.8e-201; Mismatches 1; Indels 1; Gaps 1;
Matches 394; Conservative 27; Mismatches 33; Indels 1; Gaps 1;

QY 1 MRKTSNHSLSRVAKVAYPLGLCGVFTIVAKWHRASAQAFTIAGASGRWTQOF 60
Db 1 MRKPNHGTLRMTKVA1PYPLGLCGVFTIVAKWHRASAQAFTIAGASGRWTQOF 60

QY 61 SPILGTAADGHEVFYGMFDAGSTGTRVHFQFTRPPTETPTIHTFKAVKPGSAYADD 120
Db 61 SSPDSATRSHEVFGIMFDAGSTGTRIHFQFARPPGEPPTIHTFKALKPGSAYADD 120

QY 121 VEKSAGIRELLDVAKODIPPFWKAPPLVKATAGRLIPGEKAQKLQKVKEFKASP 180
Db 121 VPKSAQGIRELLDVAKODIPPFWKAPPLVKATAGRLIPGEKAQKLQKVKEFKASP 180

QY 181 FLVGDDCVS1MNGTDEGVASAMTINFLTSLSKTPGCCSSVGMDLGGSQSTIAFLRVEGT 240
Db 181 FLVGDDCVS1MNGTDEGVASAMTINFLTSLSKTPGCCSSVGMDLGGSQSTIAFLRVEGT 240

QY 241 LOASPPGVLTALEMNRTKLYSYIIGLGLMSARLA1LGGVEQPAKGELVSPCLSP 300
Db 241 LOASPPGVLTALEMNRTKLYSYIIGLGLMSARLA1LGGVEQPAKGELVSPCLSP 300

QY 301 SFKGWEHAEVTYRVSGOKAAASLHLCAARVESEV1QNRVHTEENKHDYAFSYVDL 360
Db 301 SFKGWEHAEVTYRVSGOKAAASLHLCAARVESEV1QNRVHTEENKHDYAFSYVDL 359

QY 361 AAGVGLIDAEKGSLVQDFEIAKYCRTLTOPOSPFSCMDLYVSLLQEFQGPRS 420
Db 360 AAGVGLIDAEKGSLVQDFEIAKYCRTLTOPOSPFSCMDLYVSLLQEFQGPRS 419

QY 421 KVULKLRKIDNVE1SWALGA1FYHIDS1NROSPAS 455
Db 420 KVULKLRKIDNVE1SWALGA1FYHIDS1NROSPAS 454

RESULT 8
US-10-231-913-271
Sequence 271, Application US/10231913
Publication No. US20040005576A1

GENERAL INFORMATION:

APPLICANT: Guo, Xiaoja S.

APPLICANT: Li, Li

APPLICANT: Paturrajan, Meera

APPLICANT: Shimkets, Richard A.

APPLICANT: Casman, Stacie J.

APPLICANT: Malvankar, Uriel M.

APPLICANT: Tchernev, Velizar T.
 APPLICANT: Vernet, Corine A.
 APPLICANT: Spytek, Kimberly A.
 APPLICANT: Shenoj, Suresh G.
 APPLICANT: Alsobrook II, John P.
 APPLICANT: Edinger, Schlomit
 APPLICANT: Peyman, John A.
 APPLICANT: Stone, David J.
 APPLICANT: Ellerman, Karen
 APPLICANT: Gangolli, Esha A.
 APPLICANT: Boldog, Ference L.
 APPLICANT: Colman, Steven D.
 APPLICANT: Li, Li
 APPLICANT: Patterson, Meera
 APPLICANT: Shimkeets, Richard A.
 APPLICANT: Casman, Stacie J.
 APPLICANT: Malyankar, Uriel M.
 APPLICANT: Tchernev, Velizar T.
 APPLICANT: Vernet, Corine A.
 APPLICANT: Spytek, Kimberly A.
 APPLICANT: Shenoj, Suresh G.
 APPLICANT: Alsobrook II, John P.
 APPLICANT: Edinger, Schlomit
 APPLICANT: Peyman, John A.
 APPLICANT: Stone, David J.
 APPLICANT: Ellerman, Karen
 APPLICANT: Gangolli, Esha A.
 APPLICANT: Boldog, Ference L.
 APPLICANT: Colman, Steven D.
 APPLICANT: Li, Li
 APPLICANT: Liu, Xiaohong
 APPLICANT: Spaderna, Steven K.
 APPLICANT: Zerhusen, Bryan D.
 TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-216
 CURRENT APPLICATION NUMBER: US10/231, 913
 CURRENT FILING DATE: 2002-08-30
 PRIOR APPLICATION NUMBER: 60/251, 660
 PRIOR FILING DATE: 2000-12-05
 PRIOR APPLICATION NUMBER: 60/255, 029
 PRIOR FILING DATE: 2000-12-12
 PRIOR APPLICATION NUMBER: 60/260, 326
 PRIOR FILING DATE: 2001-01-08
 PRIOR APPLICATION NUMBER: 60/263, 800
 PRIOR FILING DATE: 2001-01-24
 PRIOR APPLICATION NUMBER: 60/269, 942
 PRIOR FILING DATE: 2001-02-20
 PRIOR APPLICATION NUMBER: 60/286, 183
 PRIOR FILING DATE: 2001-04-24
 PRIOR APPLICATION NUMBER: 60/313, 627
 PRIOR FILING DATE: 2001-08-20
 PRIOR APPLICATION NUMBER: 60/318, 712
 PRIOR FILING DATE: 2001-09-12
 NUMBER OF SEQ ID NOS: 292
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO: 271
 LENGTH: 379
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-231-913-271

Query Match 82.7%; Score 1954; DB 15; Length 379;
 Best Local Similarity 99.7%; Pred. No. 6.3e-190;
 Matches 378; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

71 EVFGIMFDAGSTGRVHVFOFTRPREPTLTHTFKAVRPGISAYADDVEKAQGRE 130
 1 EVFGIMFDAGSTGRVHVFOFTRPREPTLTHTFKALKPGISAYADVEKAQGRE 60

131 LIDVAKODIPDFWATPLVKATAGLRILPGEAKQKLUQKVEVKPASPFYGGDSI 190
 61 LIDVAKODIPDFWATPLVKATAGLRILPGEAKQKLUQKVEVKPASPFYGGDSI 120

191 MNGTDTGIGSASWITINPLTGSIKPTGGSVMLDGGGSQIAELPRVGCTIQASPQGYLT 250
 121 MNGTDTGIGSASWITINPLTGSIKPTGGSVMLDGGGSQIAELPRVGCTIQASPQGYLT 180

251 ALRMENRTYKUYSYSLGLGMSARALIUGVEGOPAKUGKELVSPCSPSFKEWEHIE 310
 181 ALRMENRTYKUYSYSLGLGMSARALIUGVEGOPAKUGKELVSPCSPSFKEWEHIE 240

311 VTYRVSQGKAAASLHLCAARVSETLQNVRHTERBEVKHTDFYAFSYVYDLAGVGLDAE 370
 241 VTYRSGQKAAASLHLCAARVSETLQNVRHTERBEVKHTDFYAFSYVYDLAGVGLDAE 300

371 KGGSLWVGDFBIAAKVYCRTEQPOSSPSMCMDLYVSLIOLBFGFRSKVQLTRID 430
 301 KGGSLWVGDFBIAAKVYCRTEQPOSSPSMCMDLYVSLIOLBFGFRSKVQLTRID 360

RESULT 9
 US-10-231-913-126
 ; Sequence 126, Application US/10231913
 ; Publication No. US2004005576A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Guo, Xiaojaia S.
 ; APPLICANT: Li, Li
 ; APPLICANT: Patterson, Meera
 ; APPLICANT: Shimkeets, Richard A.
 ; APPLICANT: Casman, Stacie J.
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Vernet, Corine A.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Shenoj, Suresh G.
 ; APPLICANT: Alsobrook II, John P.
 ; APPLICANT: Edinger, Schlomit
 ; APPLICANT: Peyman, John A.
 ; APPLICANT: Stone, David J.
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Gangolli, Esha A.
 ; APPLICANT: Boldog, Ference L.
 ; APPLICANT: Colman, Steven D.
 ; APPLICANT: Li, Li
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Spaderna, Steven K.
 ; APPLICANT: Zerhusen, Bryan D.
 ; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 21402-216
 ; CURRENT APPLICATION NUMBER: US10/231, 913
 ; CURRENT FILING DATE: 2002-08-30
 ; PRIOR APPLICATION NUMBER: 60/251, 660
 ; PRIOR FILING DATE: 2000-12-06
 ; PRIOR APPLICATION NUMBER: 60/255, 029
 ; PRIOR FILING DATE: 2000-12-12
 ; PRIOR APPLICATION NUMBER: 60/263, 800
 ; PRIOR FILING DATE: 2001-01-08
 ; PRIOR APPLICATION NUMBER: 60/269, 942
 ; PRIOR FILING DATE: 2001-02-24
 ; PRIOR APPLICATION NUMBER: 60/286, 183
 ; PRIOR FILING DATE: 2001-04-24
 ; PRIOR APPLICATION NUMBER: 60/313, 627
 ; PRIOR FILING DATE: 2001-08-20
 ; PRIOR APPLICATION NUMBER: 60/318, 712
 ; PRIOR FILING DATE: 2001-09-12
 ; NUMBER OF SEQ ID NOS: 292
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 126
 ; LENGTH: 427
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-231-913-126

Query Match 42.6%; Score 1007; DB 15; Length 427;
 Best Local Similarity 50.0%; Pred. No. 2.4e-93;
 Matches 213; Conservative 62; Mismatches 133; Indels 213; Conservat

RESULT 9
US-10-231-913-126
Sequence 126, Application US/10231913
Publication No. US20040005576A1
GENERAL INFORMATION:
APPLICANT: Guo, Xiaojia S.
APPLICANT: Li, Li
APPLICANT: Pattuajan, Meera
APPLICANT: Shimkets, Richard A.
APPLICANT: Casman, Stacie J.
APPLICANT: Malvankar, Urivel M.
APPLICANT: Tcherniev, Valizar T.
APPLICANT: Vernet, Corine A.
APPLICANT: Spyrek, Kimberly A.
APPLICANT: Sheoony, Suresh G.
APPLICANT: Alsobrook II, John P.
APPLICANT: Edinger, Schionnit
APPLICANT: Peyman, John A.
APPLICANT: Stone, David J.
APPLICANT: Elleerman, Karen
APPLICANT: Gangolli, Estha A.
APPLICANT: Boldog, Ference L.
APPLICANT: Corian, Steven D.
APPLICANT: Eisen, Andrew J.
APPLICANT: Liu, Xiaohong
APPLICANT: Padigaru, Mitali Chidara
APPLICANT: Spaderna, Steven K.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21405-216
CURRENT APPLICATION NUMBER: US/10/231,913
CURRENT FILING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: 60/251,660
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: 60/255,029
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/260,326
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: 60/263,800
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/269,942
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/286,183
PRIOR FILING DATE: 2001-04-24
PRIOR APPLICATION NUMBER: 60/313,627
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/318,712
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 292
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 126
LENGTH: 427
TYPE: PRT
ORGANISM: Mus musculus
-US-10-231-913-126

Query Match 42.6%; Score 1007; DB 15; Length 427;
Best Local Similarity 50.0%; Pred. No. 2,4e-93;
Matches 213; Conservative 62; Mismatches 13; Indels 18; Gaps 6;
Qy 37 ATATCAFFSITRAARGA-----RWQQ---QAHSLGTTADGHEVYFGIMFDAGSTG 84
Db 2 ATSMQAVFMLIAGVSGTUVRFQQTWFEGVFLSSMCPIINVSAG---TFYGMFDAGSTG 58
Qy 85 TRVWQFQT-RPPTEPPTLTHETPKAVPGLSAYADVEKSQAGIRELDVAKQDIRPFD 143
Db 59 TRVWQFQTAKQQLPILGEFIFDSVKEGLSFVDQPKQGAEVQEILLEVAKDSTPRSH 118

Qy 144 WATPLVYKATAGRLRILPGEKAQKLUOKYKEVKASPLFLVGDPCVSIMNGDDEGVASWIT 203
Db 119 WERTPVVKATAGRLRILPGEKAQKLUOKYKEVKASPLFLVGDPCVSIMNGDDEGVASWIT 178
Qy 204 INFTGSLKTPGSSVGMIDLGGSSTQIAFLPRVEGTIQLASPPGVLTALEMNRRTYLYS 263
Db 179 VNFLTGPOLHGRQETVTGTLTLDGASTQITFLPQEPEKTLEOTPRGYLTSEMFNSTPKLYT 238
Qy 264 YSVLGLGIMSLARAILAIGVEGGPAKDGKELVSPCLSFKGWEHLVTRVSGQKAAS 323
Db 239 HSYLGFGKAARAILAIGVEGGPAKDGKELVSPCLSFKGWEHLVTRVSGQKAAS 323
Qy 324 LHELCAARVSEVQONRVRTEVHVDPYAFSYYDLAGVGLIDAEGKGSILVVGDFEA 383
Db 298 GFFPCYAEVLRVQGKLUQPERGSAFAYFYYDRAADHFLDKEKGKVVKVEDFERK 357
Qy 384 AKYVCRTLETQOQSPPSCMDLYVSLIQB_FGPRSKVLRKLTTRKLDNVTWSWALGATE 442
Db 358 AREVCDNLGSFSSGSPFLCMDLYTITALKDGFGFADGTULQDQTKVNNTGWALGATE 417
Qy 443 HYDSL_448
Db 418 HLLQSL_423

RESULT 10
US-10-091-085-3
; Sequence 3, Application US/10091085
; Publication No. US20020146772A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
; FILE REFERENCE: 2810/35761
; CURRENT APPLICATION NUMBER: US/10/091,085
; CURRENT FILING DATE: 2002-03-05
; CURRENT FILING NUMBER: 09/350,836
; PRIOR APPLICATION NUMBER: 09/1350,836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/1273,447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 5
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-091-085-3

Query Match 42.3%; Score 999; DB 13; Length 428;
Best Local Similarity 52.4%; Pred. No. 1.6e-92; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy 62 PLGTAADGHEVFYGMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Db 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Qy 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Db 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120

Qy 121 VERSAQGIRELIVAKQDPDFEVKATPLVYKATAGRLRILPGEKAQKLUOKYKEVKASPL 180
Db 97 PRQGAEVTVOGLIEVAKDSTPRSHWKKIPVVKATAGRLRILPGEKAQKLUOKYKEVKASPL 156
Qy 181 FLVGDCCVSMGNTGEGWSWITINFLTSIKTGGSSTQMLDGGSSTQIAFLPRVEGT 240
Db 157 FLVKPGSVSTMGSBGLAWTFLTQHROETVGTLDLGGASTQITFLPQEKT 216
Qy 241 LQASPPGVLALMRNTRTLYSYLGLGIMSLARAILAIGVGSQAKGKELVSPCLSP 300
Db 217 LRQTRPRGYLTSEMFNSTPKLYTSLYLGKIKARALATLGALETE-GTUGHTFRSACLR 275
Qy 301 SFKGEWEHAEVYTRVSGQKAASCHELCAARVSEVULQRVARTERTEVHVDYFAISYVLD 360
Db 276 WLEABWIFGSGVQYQGGNGEAEVGFPCYAEVLRVWRGKLHOBEVORGSPFASYYD 335
Qy 361 AAGVGLIDAEKGSSLVVGPFELAAYVTRTLETOPOSSPFSMDLYVSLIQB_FGPR 419
Db 336 AVTDMDIYEVKGGLVKGDFEIAKXVCRLETQPOSSPFSMDLYVSLIQB_FGPR 419
Db 396 STVLOLTQVNNTGWALGATFHLLQSL_424

RESULT 11
US-10-091-085-5
; Sequence 5, Application US/10091085
; Publication No. US20020146772A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
; FILE REFERENCE: 2810/35761
; CURRENT APPLICATION NUMBER: US/10/091,085
; CURRENT FILING DATE: 2002-03-05
; CURRENT FILING NUMBER: 09/350,836
; PRIOR APPLICATION NUMBER: 09/1273,447
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 5
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-091-085-5

Query Match 42.3%; Score 999; DB 13; Length 428;
Best Local Similarity 52.4%; Pred. No. 1.6e-92; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

Qy 62 PLGTAADGHEVFYGMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Db 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Qy 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120
Db 40 PINVSA--STLYGIMFDGSTGTRVHVQFT_RPPREPTPLTHETKAVKPGISAYADD 120

Qy 121 VERSAQGIRELIVAKQDPDFEVKATPLVYKATAGRLRILPGEKAQKLUOKYKEVKASPL 180
Db 97 PRQGAEVTVOGLIEVAKDSTPRSHWKKIPVVKATAGRLRILPGEKAQKLUOKYKEVKASPL 156
Qy 181 FLVGDCCVSMGNTGEGWSWITINFLTSIKTGGSSTQMLDGGSSTQIAFLPRVEGT 240
Db 157 FLVKPGSVSTMGSBGLAWTFLTQHROETVGTLDLGGASTQITFLPQEKT 216
Qy 241 LQASPPGVLALMRNTRTLYSYLGLGIMSLARAILAIGVGSQAKGKELVSPCLSP 300
Db 217 LRQTRPRGYLTSEMFNSTPKLYTSLYLGKIKARALATLGALETE-GTUGHTFRSACLR 275
Qy 301 SFKGEWEHAEVYTRVSGQKAASCHELCAARVSEVULQRVARTERTEVHVDYFAISYVLD 360
Db 276 WLEABWIFGSGVQYQGGNGEAEVGFPCYAEVLRVWRGKLHOBEVORGSPFASYYD 335
Qy 361 AAGVGLIDAEKGSSLVVGPFELAAYVTRTLETOPOSSPFSMDLYVSLIQB_FGPR 419
Db 336 AVTDMDIYEVKGGLVKGDFEIAKXVCRLETQPOSSPFSMDLYVSLIQB_FGPR 419

QY 420 SKVULKTRKIDNVEETSWALGAIFHIVDSL 448 ; Sequence 5, Application US/10092063
Db 396 STVQLQTKEVNNTETGWAIGATPHIQLSL 424 ; Publication No. US20020173005A1
RESULT 12 ; GENERAL INFORMATION:
; Sequence 3, Application US/10092063
; CURRENT FILING DATE: 2002-03-05
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES
; FILE REFERENCE: 28110/35908
; CURRENT APPLICATION NUMBER: US/10/092,063
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350,836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244,444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-092-063-3
Query Match 42.3%; Score 999; DB 13; Length 428;
Best Local Similarity 52.4%; Pred. No. 1.6e-92; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; MisMatches 123; Indels 6; Gaps 4;
Matches 204; Conservative 56; MisMatches 123; Indels 6; Gaps 4;
Oy 62 PLGTAADGHFHVFGIMFDAGSTGRVHFTPQFT-RPPRPTPLTHETFKAVKPGLSAYADD 120
Db 40 PINVSA--STLYGMIFDAGSTGTRIHVTFVOKPGQPLILBGEVDPSVKPGLSAVDQ 96
Oy 121 VERSAQGIRELLVAKQDIPDFWKATPLVKTAGLRLPSEKAQKLQLQKVEKFVAKSP 180
Db 97 PKQGAEVTQGILEVAKDSIPRSHWKKTPLVLTAGLRILPEHKAKALFEVKEIFRKSP 156
Db 40 PINVSA--STLYGMIFDAGSTGTRIHVTFVOKPGQPLILBGEVDPSVKPGLSAVDQ 96
Oy 181 FLVGDCCVSIMNGDEGSASWITINPFLGSKTPGGSSVGMIDGGSTQPLPREGT 240
Db 157 FLVPKGSVSMDSDEGLIAWVUNFLQGQLQHROETVGTIDGGASTQITFLPOEKT 216
Db 241 LQASPPGYITALRMFNRTYKLYSYVSYLGGMSARLATIGSYEGQPAKDGKELVSPCLSP 300
Db 217 LEQTPRGVLTSEMENSTYKLYHSVFGLKARLNLGAETE-GTDGHFRSACLR 275
Oy 301 SPKGEWHEAEVTYRVSGKAAASLHELCAARSEBVLONRVRHTEEVKDVFAFSYYDL 360
Db 276 WLEABWIFGGVKTQYGGNQEGEVBGEVGFEPGYAEVVRVGRKLHOPBEVORGSPFASYYDR 335
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Qy 420 SKVULKTRKIDNVEETSWALGAIFHIVDSL 448 ; Sequence 3, Application US/10092063
Db 396 STVQLQTKEVNNTETGWAIGATPHIQLSL 424 ; Publication No. US20030175752A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
; RESULT 13
; US-10-092-063-5
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Best Local Similarity 52.4%; Pred. No. 1.6e-92; Mismatches 123; Indels 6; Gaps 4; Matches 204; Conservative 56; MisMatches 123; Indels 6; Gaps 4;
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Oy 62 PLGTAADGHFHVFGIMFDAGSTGRVHFTPQFT-RPPRPTPLTHETFKAVKPGLSAYADD 120
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Qy 420 SKVULKTRKIDNVEETSWALGAIFHIVDSL 448 ; Sequence 3, Application US/10092063
Db 396 STVQLQTKEVNNTETGWAIGATPHIQLSL 424 ; Publication No. US20030175752A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
; RESULT 14
; US-10-092-063-3
; Sequence 3, Application US/10092063
; Publication No. US20020173005A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like

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; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 28110/36457CON
; CURRENT APPLICATION NUMBER: US/10/286, 926
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: 09/557, 800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481, 238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370, 265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/122449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/244444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/118, 205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-286-926-3

Query Match          42.3%; Score 999; DB 14; Length 428;
Best Local Similarity 52.4%; Pred. No. 1.6e-92; Matches 204; Conservati
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Db   40 PINVSA--STLVGIMFDAGSTGRVHIVQFT-RPPREPTPLTHETKAVKVKPLSAYADD 96
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Qy   361 AAGVGLDAEKGSSLWVDPFIAKYCPTLEQPOSSPSMIDLTVSLLQE-FGPPR 419
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; Sequence 5, Application US/10286926
; Publication No. US20030175752A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Muñoz, Julio
; APPLICANT: Young, George
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
; TITLE OF INVENTION: Polypeptides

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